

To: Wands, James[James.Wands@hdrinc.com]
From: Mathew, Rooni
Sent: Thur 10/10/2013 9:30:34 PM
Subject: Dundee Dam rating curve
[DD_RatingCurveCheck.xlsx](#)

Hi James,

I've added in the PVSC data I have as well as a handful of measurements by MPI to the rating curve plots. One difference between the PVSC/MPI data and the PWCM/CWCM data is that of SSC from the latter datasets were paired with measured 15-min Dundee Dam discharge, whereas the former datasets were paired with daily discharge at Little Falls and drainage-area pro-rated to Dundee Dam. This may explain some of the variability at low discharge in the PVSC data, especially the 3 points with SSC > 80 mg/L at Q < 500 cfs. Some of this variability may be related to travel time, the plots also includes the PVSC data at Totowa Ave which is only about 2 miles downstream of Little Falls and more directly comparable to the rating curve and which do not show the same variability. In general, all the water sample data appear to be consistent with the OBS estimated solids. The OBS data are consistently below the rating curve estimates, and the majority of the water sample data are also below the rating curve line. Let me know how it works out after you add in the additional PVSC data.

Rooni.

Rooni Mathew

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